

Section 1

Pacer Technology
9420 Santa Anita Avenue
Rancho Cucamonga, CA 91730

For Chemical Emergency Only

In the US & Canada (800) 424-9300
Int'l & Wash DC (COLLECT) (202) 483-7616
Telephone for Information (909) 987-0550

I. PRODUCT IDENTIFICATION: Plastic Fusion - Part B: Activator**II. COMPOSITION**

INGREDIENTS	CONCENTRATION%	C.A.S.#	ACGIH TLV
Methyl methacrylate (MMA)*	60-85	80-62-6	100ppm
Acrylated copolymers	12-30	trade secret	---
Amine condensate	0.5-5	trade secret	---
Metal salt, acid complex solution	0.1-1	trade secret	---

*SARA Section 313 Toxic Chemicals

III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure: 29mmHg @ 20C Vapor Density: Heavier than Air, 3.5 for MMA
Solubility in water: Insoluble Specific Gravity: 1.05
Boiling point: 214F for MMA Appearance: light gel, amber colored
Odor: pungent acrylic odor

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flashpoint (T.C.C.): 51F Explosive Limits in air: Lower 2, Upper 12.5 for MMA
Recommended Extinguishing Agents: Water, dry chemical or carbon dioxide
Hazardous Products Formed by Fire or Thermal Decomposition: Toxic fumes of carbon oxides may evolve upon exposure to heat or open flame. Use self-contained breathing apparatus if burning.
Unusual Fire or Explosive Hazards: none Closed containers may burst when heated. Cool containers with water spray.
Compressed gases: none Solvents: none Pressure at 23C: N/A

V. REACTIVITY DATA

Stability: Stable Hazardous Polymerization: may occur
Hazardous Decomposition Products: oxides of carbon, acid smoke
Incompatibility: oxidizers, heat, reducing agents, free radical generators, ignition sources, amines

VI. SPILL OR LEAK PROCEDURES

Remove sources of ignition. Use with ventilation. Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with current local, state, and federal regulations. Do not discharge into water. Wash spill area with strong detergent. After proper mixing of resin and activator sides, the material will polymerize into a cured solid state which can be treated as a nonhazardous solid. Applicable CERCLA/RCRA waste code: 0001 (ignitability) U162 (MMA).

VII. STORAGE AND HANDLING PROCEDURES

Storage: Avoid storage over 100F, contamination with incompatible materials. Store in cool place away from direct sunlight.
Handling: Avoid prolonged or repeated breathing of vapor. Avoid contact with skin and eyes. Wash hands before smoking or eating.

VIII. SHIPPING REGULATIONS

DOT and IATA Hazard Classification: ORM-D in plastic containers or small volume cans, 1 gallon or less.

Proper DOT Shipping Name – bulk for containers over 1 gallon in volume: Adhesive containing flammable liquid, class 3, UN1133, PGII, flammable liquid label required.

IX. EMERGENCY TREATMENT

Eye Irritation: Immediately flush eyes with water for at least 15 minutes. Get medical attention.

Skin Contact: Wash thoroughly with soap and water. Discard contaminated clothing. Do not use organic solvents on skin. For long term exposure or in case of irritation, get medical attention.

Inhalation: Remove person to fresh air. Get medical attention if short of breathe or if respiratory symptoms develop.

Ingestion: Give 1-2 glasses of milk or water to conscious person. Do not induce vomiting. Get medical attention.

X. PERSONAL PROTECTION

Respiratory: Use proper positive airflow ventilation in work areas/explosion proof equipment in confined areas where vapors may exceed TLV limits.

Skin: Avoid skin contact, wear impervious gloves and protective clothing if in direct contact with material. Disposable polyethylene gloves with vinyl latex overgloves will give protection.

Eyes: Wear safety goggles or side shield safety glasses. Do not wear contact lenses.

XI. HEALTH HAZARD DATA

Hazard Categories: immediate X delayed X fire X pressure reactivity
Potential Routes of Entry: skin X inhalation X ingestion X
Symptoms of Overexposure: Possible skin and eye irritation on contact is likely. Vapor may irritate throat.

Exposure limits:	ACGIH	OSHA	OTHER
Ingredients			
Methyl Methacrylate	100ppm	100ppm	100ppm Canada
Target organs		Carcinogen	
		NTP IARC OSHA	
		None None None	

Sara Listed Ingredients: Methyl methacrylate

XII. PREPARATION INFORMATION

ISSUE DATE: 10/27/99

Rev. 1 – 12/04/02

PREPARED BY: Mary K. Robles

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